

Art projects participate at figment organization , governors island nyc .

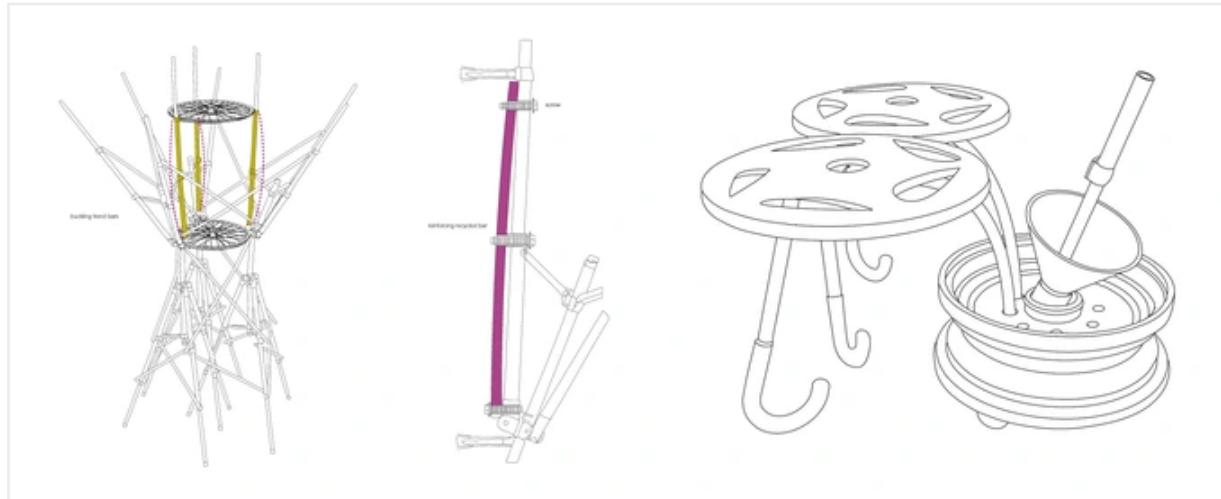
1.Organic Growth

Built out of waste materials, our 95sqm canopy promotes cycling and allows 500,000 visitors to chill out under NY's biggest bouquet

To reduce the uncertainty faced by a construction made out of waste material and put together by volunteers, we built a full scale mock-up for part of the pavilion. The prototype has now been outside for more than 4 months, allowing us to accurately predict the performance of the final construction on Governors Island, and any difficulties volunteers might face. We've developed a structural scheme and assembly process based on our previous experience building a full-scale mock-up.

Below are images of us creating our prototype.





THE FOLLOWING STEPS:

1. COLLECT THE MATERIALS. Now the team is collecting donated and recycled materials (bike wheels, car rims, tripods, umbrellas...) from lots of businesses throughout NYC.

2. PRE-FABRICATION OFF THE ISLAND. After cleaning the collected materials the pavilion will be pre-assembled in sections.

3. ON SITE INSTALLATIONS. These sections will be transported by ferry to Governors Island. Once on the island all the sections will be installed and connected together.

NEW LIFE AFTER DISASSEMBLY:

The proposed design employs commonly found materials, giving them a new life after they have become unfit for their original purpose. The design utilizes broken umbrellas, photographic tripods and damaged bicycle wheels, which several institutions in NY are already recycling. Like mop-head flowers, the Pavilion itself is composed of many smaller elements, all of which can be dismantled and reused after the summer.

Branches composed of several umbrellas and tripods, can be easily reused as sun, wind and rain protection in outdoor spaces all around the city. Larger elements can become beautiful indoor chandeliers and both elements can be useful for community centers or NGOs.



THE BUDGET:

MATERIALS* almost all of them are donated waste materials, that's why price is much lower than average market. Nevertheless they required cleaning and small repairs.			
Bike wheels.	425 uts	5.00	2,125.00
Tripods.	105 uts	15.00	1,575.00
Umbrellas.	300 uts	3.00	900.00
Car rims.	135 uts	40.00	5,400.00
Reinforcing bars*.	1000 ft	0.45	450.00
PVC tube.	225 ft	0.20	45.00
Funnels.	135 uts	2.00	270.00
Small sheet thread screw.	825 uts	0.10	82.50
Small normal screw.	135 uts	0.10	13.50
Screw with washer.	2520 uts	0.10	252.00
Small metal flange.	435 uts	0.30	130.50
Metal flange.	270 uts	0.45	121.50
Plastic flange.	675 uts	0.10	67.50
Gray foam tube.	60 ft	0.30	18.00
Doble sided scotch tape.	60 ft	0.60	36.00
Bronze scotch tape.	237 ft	0.50	118.50
Rubber tube.	20 ft	0.65	13.00
Plastic tube.	50 ft	0.40	20.00
Loan concrete (mortar).	180 gallon	4.00	720.00
Sand.	40 gallon	0.20	8.00
TOTAL MATERIALS			12,366.00
TRANSPORT			1,000.00
Rent a cargo van (10 week, 1 day a week).	10 days	100.00	1,000.00
WORK SPACE			1,200.00
Rent a place for the assembly off the island.	2 months	600.00	1,200.00
ON SITE INSTALLATION (+ DE-INSTALLATION + ON SITE REPAIRS)			5,000.00
Volunteers monitors' will train them on specialized works.	3 monitors	500.00	1,500.00
Rent the scaffolds and other necessary tools.	20 days	100.00	2,000.00
Rent a portable concrete mixer.	10 days	50.00	500.00
Volunteer refreshments	500 drinks	500.00	500.00
Contingency		500.00	500.00
ADDITIONAL PRODUCTIONS			600.00
Production of Kickstarter Video and Rewards			600.00
TOTAL			20,166.00
Besides these expenses we have to pay for the trips and accommodation of the team (around 12.000 additional \$). We really aim those that like the project to donate further than the 20.000\$. Otherwise we will depend on friends, architects and Spanish and Latin solidarity to host us!.			

As an European architecture firm, we also have to deal with additional costs: our teams flights, accommodation and subsistence. The estimated amount is around \$12,000, which is not included in the \$20,000 minimum pledge. Many people support and enthusiasm have made us feel this is possible!

We are making such an energetic effort because we LOVE THIS PROJECT AND REALLY BELIEVE IT IS WORTHY!

THE REWARDS:

Check all the reward and choose which one you like the most!

Pop-up cards.



-Pop-up cards: Thinking about you pack.

my Contributing to this art project 2015 volunteering , drilling ,construction and participate in campaign.

allowing the 500,000 visitors of Governor's Island to enjoy their moment of the day, resting and chilling under a bunch of flowers, promoting civic activities such as concerts or storytelling attended by 150,000 people of all ages over summer weekends.,contributing to the promotion of environmentally friendly lifestyles: cycling, recycling and reducing energy consumption can be really cool!,promote urban art as a civic expression of democratic values, also help people not to forgot about Hong Kong's Umbrella Revolution!

promote material recycling among architects, support thoughtful technical research on redundant structures and capacity design., support entrepreneurship

among young Spanish architects suffering the hardest economic crisis of the century, promote Latin culture in New York and support one of the very few architectural international offices founded and directed by a women.

from the team of organic growth project ,Izaskun Chinchilla Architects from Madrid

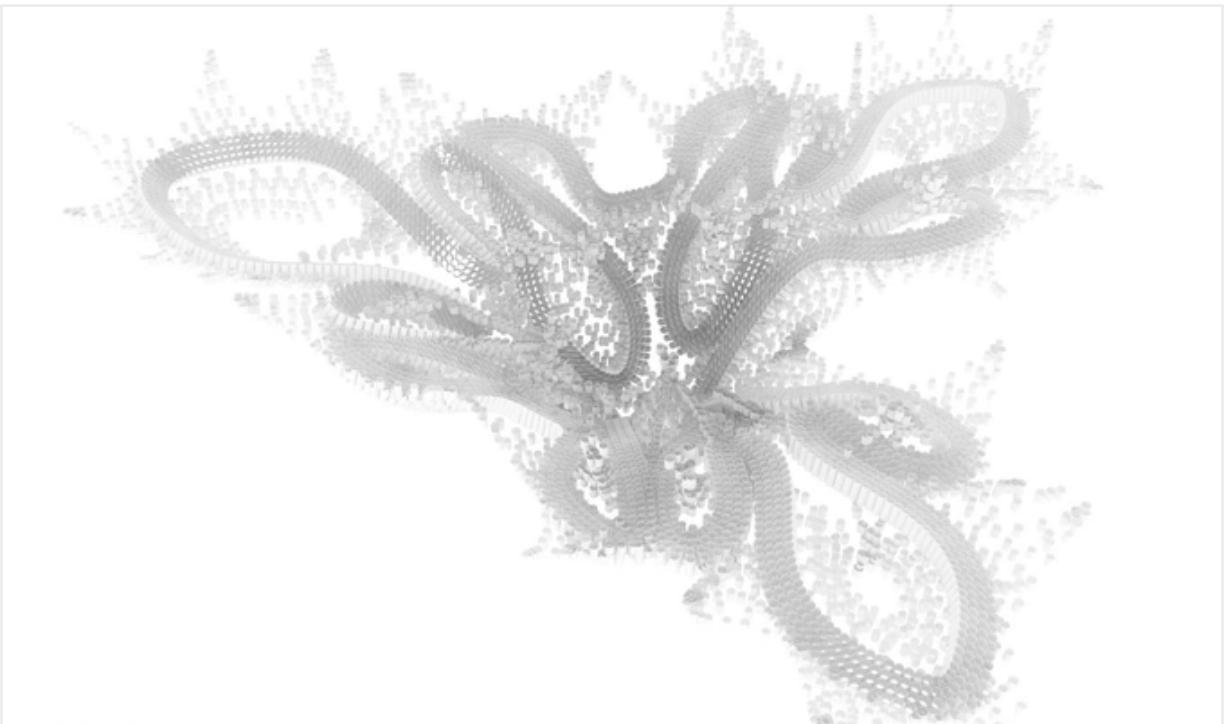
SPECIAL THANKS TO : [FIGMENT](#), [AIANY-ENYA](#) and [SEAoNY](#) for trusting and supporting us!. Also special thanks to the [Bartlett School of Architecture, UCL \(London\)](#), they have considered this project a research case and partially funded our trips!, they are a continuous source of support and inspiration. [NYC](#) and its citizens for the great welcome and the support! Talleres Antonio Abellán.

Volunteers and Pavilion Team for their efforts, hard work and dedication! Thank you very much friends!

2.Governor's Cup: City of Dreams Pavilion

his serpentine canopy of 30,000 reclaimed plastic cups will be the feature pavilion at Figment NYC 2014 on Governors Island

The "Governors Cup" pavilion, a serpentine structure made of 30,000 reclaimed plastic cups, is supported by a cluster of trees on the Governor's Island Parade Ground. It transforms the prosaic, overlooked and discarded into a site specific, ephemeral gathering space. The pavilion will host more than 200,000 visitors during the four month summer festival. This outdoor room and gateway will create an airborne topography of refracted light and shadow. Ever present harbor winds will animate the public space with shimmering movement and sound.

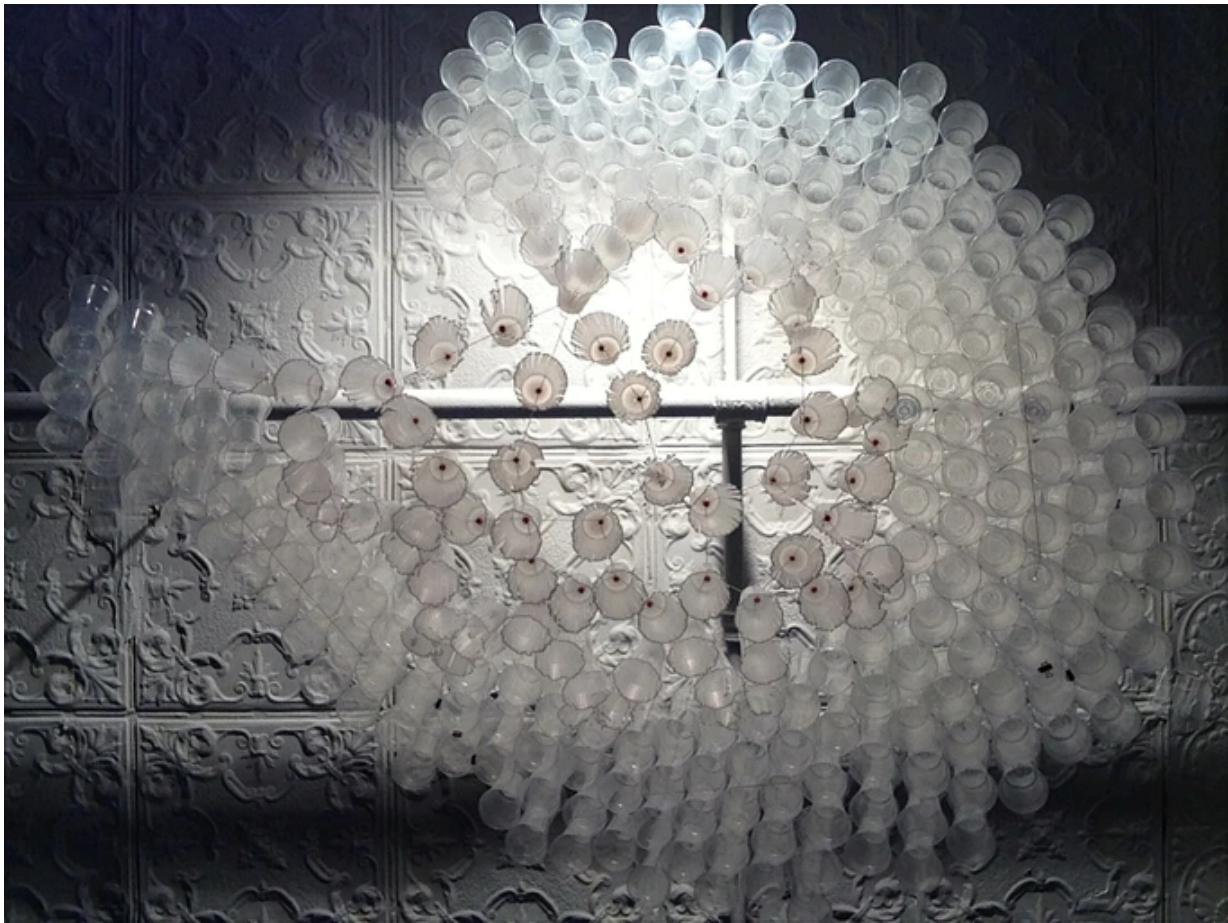


The pavilion's translucent and reflective materials magically catch light. It's crochet-inspired tape structure continuously redirects lines of sight. The form

comes from the interplay of a densely stitched structural spine and a lacy infill. Each cup is perforated to keep the structure light-weight. These holes make the ever-changing color of the sky visible from below.

Aside from being beautiful, CDR's Governors Cup demonstrates the transformative potential of what we normally consider waste. Light-weight, resilient, and inexpensive, the pavilion design prototypes a shade structure with potential for future application.





The [City of Dreams Competition](#) is organized by the [American Institute of Architects \(AIA\)](#) committee for [Emerging New York Architects \(ENYA\)](#), the [Structural Engineers Association of New York \(SEAoNY\)](#) and [FIGMENT NYC](#) a non-profit arts organization. The brief required that the pavilion employ recycled or recyclable materials, be constructed off site, and transported by water taxi to the island. Of the 200 entries, CDR Studio's submission was chosen as the winner. *"The jury appreciates how the pavilion is artistically conceived. For the overall canopy, the jury can foresee interesting patterns developing in the grass below, both from the sunlight and from drip patterns. Staying in line with the goal to have a net zero impact on the environment, the jury complimented the fact that [your team] is planning to move the installation to [another space] after the summer season ends."*

SO THIS IS HOW WE'LL MAKE IT:

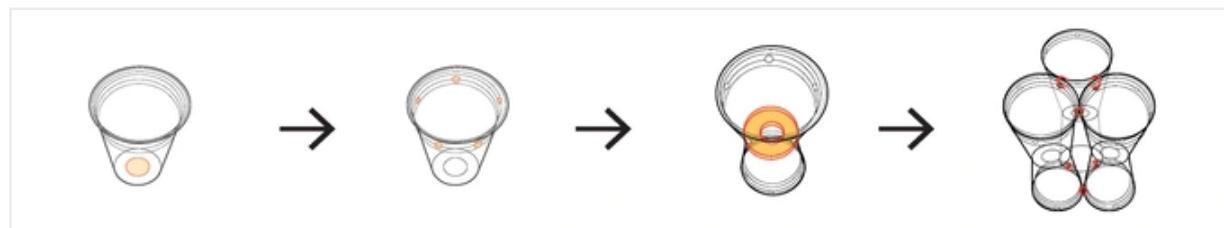
Public participation, the heart of the project, has already begun. We have many, many cups to collect, clean, customize and fasten together. If you live in NYC and want to join us to make this artwork happen.



1. CUP COLLECTION - CDR Studio has been collecting plastic cups using temporary depositories at large public events, cultural institutions and office spaces. Every single cup contributes to the design.

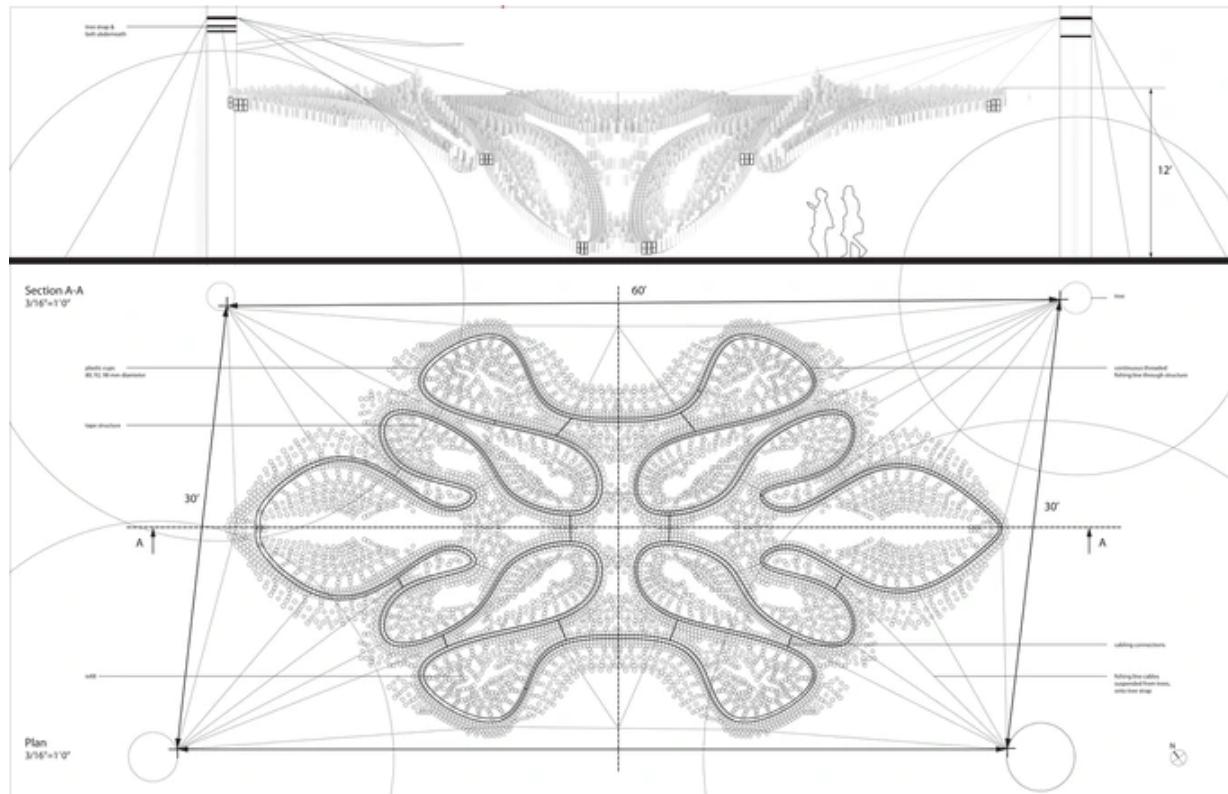


2. PRE-FABRICATION - First cups will be cleaned, punched, and glued together. Next, they get zip tied into modules that will be arranged to form the tape structure. To form the billowing shapes, connections will vary from top to bottom, through tighter and looser zip-tie loops. This also provides structural flexibility in two directions. The pavilion will be pre-assembled at CDR's office in eight distinct sections.





3. ON SITE INSTALLATION - The sections will be transported to Governors Island. Once there, heavy duty fishing line interwoven through the structure will tie together the eight sections and reinforce the pavilion. The center portion will be staked and weighted to the ground. The rest of the canopy will tie upward into to the trees. The island arborist and professional riggers will help us attach the cups to branches and tree-trunks. The trees will have cinching tree straps to protect the bark. The tree-anchored connections use fishing wire, spike hitches and bowman's knots.

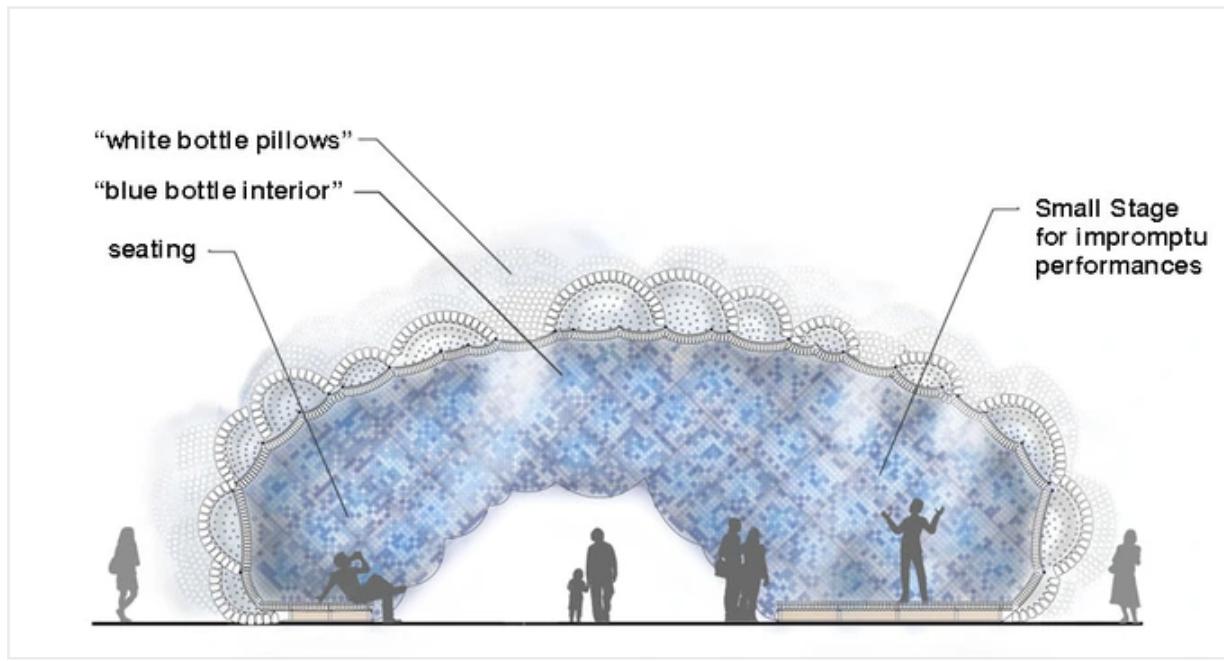


my contribution to this art project 2014 dedicated long hours to assembly ,install and volunteer
project is been possible by CDR studio ,figment , ENYA and SEoNY.

3. Head in the Clouds

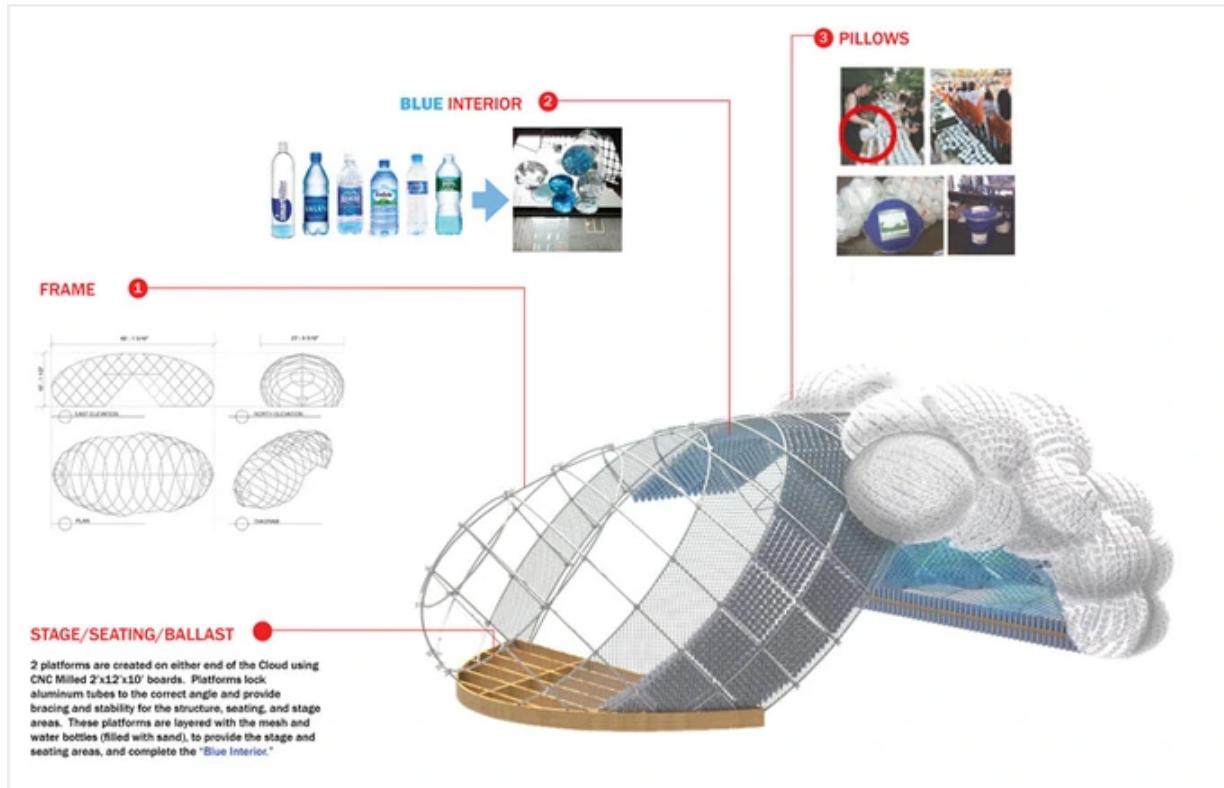
53,780 plastic bottles- the amount, thrown away in 1 hour in NYC, turned into a Cloud-shaped pavilion on Governor's Island

The Head in the Clouds Pavilion is a 40'x18'x15' cloud shaped structure, constructed from aluminum, wood, and 53,780 recycled plastic bottles- the number of plastic bottles thrown away in New York City in just 1 hour. The pavilion will house an area for seating, and a stage for several planned events on the island this summer. It will also serve as the gathering point for the nearly 200,000 visitors who will come to this year's arts events on Governor's Island.



Section through the pavilion

We chose water bottles as the main re-purposed product, in order to call attention to the nearly 48,000,000 plastic bottles thrown away every day in the United States. The pavilion is sized so that it will represent the number of plastic bottles thrown away in NYC in just 1 hour!

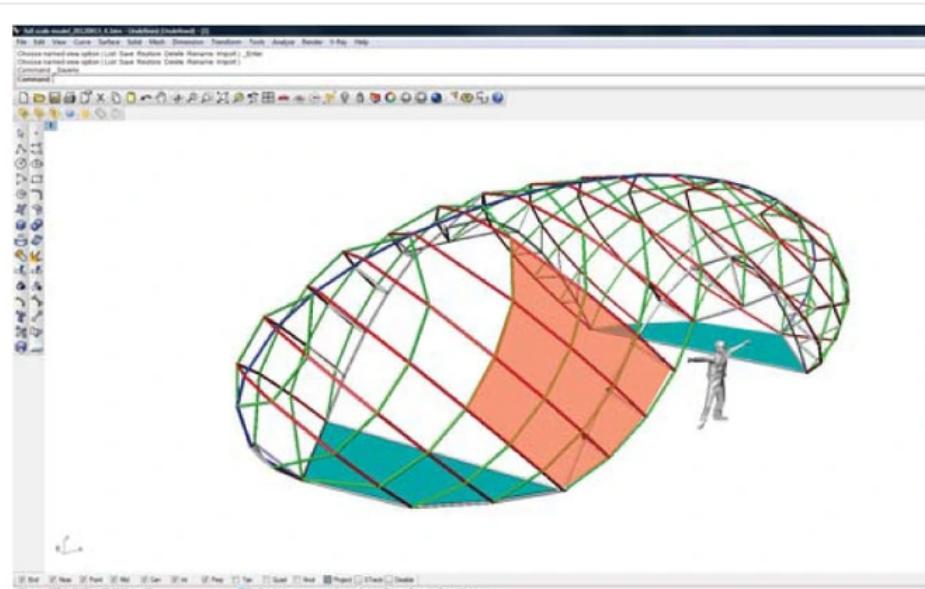


Material axo diagram

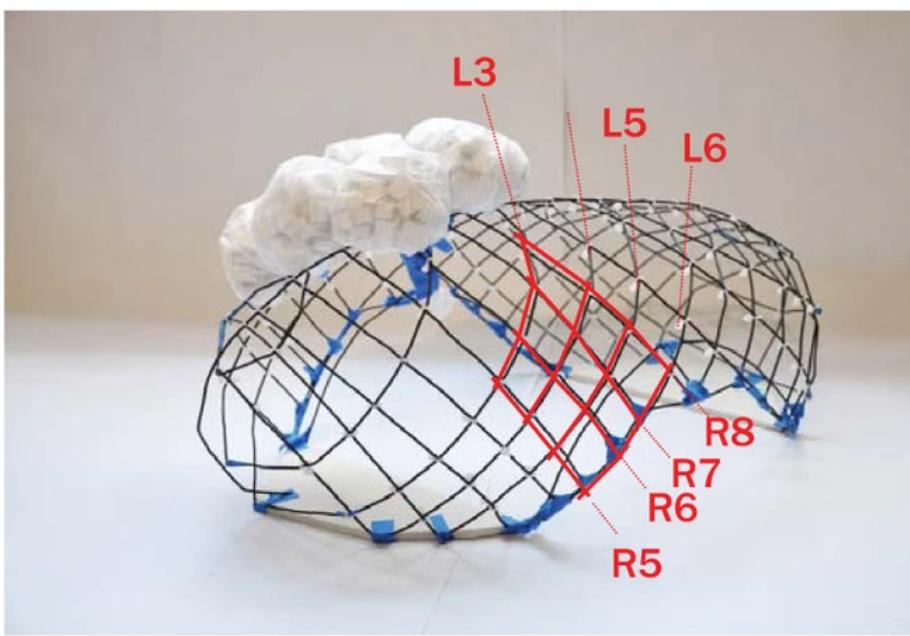
The main material in the cloud is recycled 16oz, 24oz, and 1 gallon used water bottles, collected and donated from generous businesses and organizations from all over the city. This means, between the water bottles that make up the blue interior and the jugs that are tied together to create the "pillowy" exterior, there are 53,780 plastic bottles used in the construction of the Pavilion. In addition to the water bottles, the pavilion uses a system of curved aluminum tubes, fitted together with a splines and clamps, layered on the inside with the collected water bottles (filled with a small amount of organic food coloring), and covered on the outside with what we're calling the "pillows", which are basically 1 gallon water jugs woven with netting and tied to the frame. When complete, the Head in the Clouds Pavilion, will be approximately 40' long, 18' feet wide, and 15' high at its highest peak. Visitors will be able to sit inside the cloud, and contemplate the shifting light as it filters through the layers of bottles. There's also a small stage built into the foot that will allow performances to take place inside the cloud.

Where we are in the process

We've developed a structural scheme and fabrication process we believe will work.



Computer Model: Aluminum Tube Schedule



1/8" Scale Model

a Digital model and a physical model

We've already collected nearly half of the donated bottles we need for the pavilion, so that only leaves **12,182 small bottles: 9,853 Large 1 gallon jugs left to collect, YIKES!!**



Collection container at Brooklyn Roasting Company, DUMBO



Storage room 2- this is only half
AND we've built a 15'x12' full scale mockup in the workshop, to test the idea
and make sure it will work. It was a success!! Below are images of that process.



Weaving the interior panels



2 completed interior panels



building the pillow



placing a pillow



hanging the aluminum frame



testing the lining on the interior



testing the "pillows"



completed mockup



looking up



bottle fabric

This mockup took a week to build with 4 of us working together to figure out the kinks. The final build will take roughly 1,200 hours of labor to construct- that's 20 people working steadily for about 1.5 weeks, or 4 people working 2 months. If we have the funding (and volunteers) we hope to begin production on the aluminum frame and connections at the end of march, and begin building the exterior pillows and interior blue panels in April, to be ready for transport and set up the last weekend in May.

The Budget-office and an army of volunteers have been collecting used bottles on a daily basis from lots of great and generous organizations and companies in and around NYC, but there are other materials that we can't collect, and we need help paying for, for example the machine time necessary to mill these pieces into the right shape. Below is a breakdown:

Non-Donated Materials: Aluminum tubes, modified sleeve connectors, spline connectors, netting, rope, cable ties, wood Cost: \$10,000

Machine Time: Aluminum bending, customizing brackets, mill curved wood platform, mill platform connections, create frame connections Cost: \$3,000

Donated Materials: 16 oz. Bottles, 1 gallon water jugs= 53,780 used bottles and jugs total Cost: Free

My participation this art project 2012 bottle collection , construction ,installing ,deinstalling and volunteering

